ministry of

environment

Requirements for Regional Solid Waste Management Plans

British Columbia
Handle with care

BC

MINISTRY OF
ENVIRONMENT

REQUIREMENTS FOR

REGIONAL SOLID WASTE MANAGEMENT PLANS

MUNICIPAL SOLID & BIOMEDICAL WASTE BRANCH

ENVIRONMENTAL PROTECTION DIVISION

MINISTRY OF ENVIRONMENT

BRITISH COLUMBIA

91-01674/

Canadian Cataloguing in Publication Data
Main entry under title:
Requirements for regional solid waste management plans

ISBN 0-7726-1141-6

1. Refuse and refuse disposal - British Columbia. 2. Salvage (Waste, etc.) - British Columbia. 3. Recycling (Waste, etc.) - British Columbia. I. British Columbia. Municipal Solid and Biomedical Waste Branch.

TD789.C32B732 1990 363.72'856'09711 C90-092162-5

REQUIREMENTS FOR REGIONAL SOLID WASTE MANAGEMENT PLANS

INTRODUCTION

The purpose of this document is to outline the required content of regional solid waste management plans and the process for preparing and adopting them. Further explanation of the procedures for developing and adopting plans, the type and depth of information required by planning studies, the interpretation of certain sections of this document, and the meaning of certain words and phrases is provided in the document, *Guide to the Preparation of Solid Waste Management Plans by Regional Districts* , hereinafter referred to as the "Guide".

REQUIREMENTS

A Regional Solid Waste Management Plan (RSWMP) submitted to the Minister of Environment for approval pursuant to Section 16.1 of the Waste Management Act shall be in accordance with the following:

Provincial Goal and Strategy

1 (1) The overall goal of the RSWMP shall be a reduction, of 30 percent by 1995 and of 50 percent by the year 2000, in the weight of solid waste per capita requiring disposal.

(2) Except as specified by paragraph (3), the achievement of this goal shall be accomplished through the sequential strategy of reduce, reuse, recycle, and recover.

(3) Recovery strategies involving incineration or the production of material or substances to be used as fuel shall not be considered as valid contributions toward the goal described in (1).

Planning Process Stages

2 . The preparation and adoption of the RSWMP shall be undertaken in three stages, as follows:

- **Stage 1**: the description and analysis of the existing solid waste management system followed by recommendation of information gaps to be addressed and solid waste management options to be evaluated in detail in Stage 2;

- **Stage 2**: the detailed analysis of solid waste management options, the creation from this analysis of a set of recommended options and strategies, and the determination of the social, environmental and economic impacts of those options and strategies; and

- **Stage 3**: the transformation of the Stage 2 Report into a Plan which in structure and content is in compliance with the requirements contained herein.

Review Process

3 . 1 Each of the stages described in Section 2 shall include the review of the respective document by government agencies, adjacent jurisdictions and the general public.

3.2 The final step in Stages 1 and 2 shall be submission of the Stage Report to the Regional Waste Manager, whose approval of the Report is required prior to undertaking the next stage.

Procedures and Documentation

4. The general procedures for preparing and adopting RSWMPs, including the steps described in Sections 2 and 3, shall be as set out in Part 3 of the Guide, as amended from time to time by the Ministry of Environment.

5. A report documenting the entire plan development process shall be attached to the plan as an appendix, and shall include copies of Stage 1 and Stage 2 planning studies and a summary of the comments received through the complete review process.

PLAN CONTENT

Existing Solid Waste Management System

6. This part of the Plan shall describe the existing solid waste management system to provide the basis for the ultimate objectives and policies adopted and shall include the following:

(1) Description of the Plan area, including location, boundary and participating local governments and other jurisdictions; current and projected population; the various Official Plans that will influence solid waste management; existing and projected economic base, and biogeophysical characteristics.

(2) Description of the existing solid waste management system, including the characteristics of the regional solid waste stream; the collection, processing and disposal sub-systems; the administrative and financial structure; the involvement or cooperation with industry and adjacent jurisdictions, and a summary of regional issues to be addressed by the Plan.

The Proposed Solid Waste Management System

Objectives

7. The Plan shall contain a statement of broad objectives, including both a restating of provincial objectives, as identified by the Ministry of Environment, and local and regional objectives addressing issues identified in Stage 1 and Stage 2.

Term

8. The Plan shall give specific direction to solid waste management planning in the Plan Area for a minimum of 10 years, with particular reference to the years 1995 and 2000, and provide general direction for a further time related to the life span or amortization period of major recovery, treatment or disposal facilities.

Solid Waste Stream Targets

9. The Plan shall

(1) identify solid waste stream targets, at the level of solid waste type, class and/or source, whereby the sum of each level comprises the whole of the regional solid waste stream;

(2) specify the policies and management strategy based on the 5R's for each target; and

(3) indicate, quantifying where possible, the contribution of each of the first four R's toward the overall goals of the Plan and how that contribution is expected to change over the term of the Plan.

10. Without limiting the generality of Section **9**, the Plan shall specify management strategies

(1) for the following classes of solid waste:

(a) Household hazardous waste, including herbicide and pesticide containers in any quantity; and
(b) Hard-to-dispose-of materials, including those listed in Section 5.1 of the Guide;

(2) to resolve the following solid waste management issues:

(a) the minimization of wildlife and domestic animal conflicts at landfill sites and transfer stations;
(b) open burning of unsegregated solid waste; and

(3) which ensure equal access to recycling opportunities throughout the Plan area;

11. The management strategies required by Sections **9** and **10** shall include the following, where applicable:

(1) the person responsible for administration and operation of programs and facilities;
(2) the design of and technology to be employed in each of the sub-systems for collection, processing, and disposal of solid waste;
(3) the location and area / population served by programs, sites and facilities;
(4) the utilization of existing programs, facilities and sites;
(5) the land, labour and capital requirements for existing and proposed programs, sites and facilities;
(6) the shipping and marketing of recyclables and other products of system facilities;
(7) the total cost for system elements, and mechanisms for cost recovery, including closure and post-closure costs; and
(8) the design, targets and budget for educational and promotional programs;

Involvement/Cooperation with Others

12. The Plan shall describe and indicate the rationale for any joint operation of programs, sites or facilities, or transfers of solid waste for the purpose of processing or disposal involving adjacent jurisdictions, industry or other levels of government.

IMPLEMENTATION

Participation and Cooperation

13. The Plan shall provide evidence of the cooperation in Plan preparation and implementation of all local governments which are participants in the Plan.

Phasing Schedule

14. The Plan shall provide details of the phasing schedule under which all elements of the management strategies described in Sections **9** and **10** are initiated and terminated, including projected times for achieving specific objectives. More particularly, the Plan shall indicate the schedule by which the reduction goals described in Section **1** will be achieved.

Legislative and Regulatory Requirements

15. The Plan shall describe any legislation, regulation or other support required for implementation of strategy elements which must be adopted, amended or provided by municipal governments, regional district(s) and senior governments in order to achieve the goals and objectives of the Plan. Where adoption of the legislation or regulation is within the authority of the regional district submitting the plan and its participating municipalities, the Plan shall show evidence of the commitment to adopt such legislation and regulation by the relevant agencies.

Financial Requirements

16. The Plan shall indicate the means by which the various strategy elements are to be financed and funded, including the necessity and justification for financial assistance from senior governments, and shall provide assurance of financial capability.

17. Where financial assistance has been received or is being requested from senior governments, the Plan shall describe how the funds have been or will be distributed, including the criteria used to determine the level and type of funding provided to municipalities, geographic areas and community groups.

Removal of Barriers

18. The Plan shall identify any physical, financial, administrative, jurisdictional or structural barriers which prevent or inhibit any management strategy, and either indicate what steps will be taken to remove the barriers or, where removal of the barrier requires action by a senior government, recommend such action to the appropriate government.

Contingency Plans

19. The Plan shall identify critical solid waste reduction and diversion objectives or targets and specify actions to be taken in the event those objectives or targets are not met.

Impacts

20. The Plan shall describe the anticipated environmental, social and economic impacts of the various management elements and any mitigation and amelioration measures required.

MONITORING

Common Evaluation Criterion

21. To assist in evaluating the effectiveness of all Plans in achieving the Provincial Goal, the Plan shall provide for the identification, weighing and reporting of all material brought to regional disposal facilities, including the provision of an acceptable alternative for small, remote sites, and the calculation of the corresponding per capita generation rate for the Plan area in kilograms/person/day. Where a standard procedure for the above activities has been established by the Ministry, the Plan shall provide for the carrying out of those activities in accordance with the procedure, subject to any modifications necessary to adapt the procedure to local conditions.

Review and Reporting Process

22. In addition to the requirements of Section **21**, the Plan shall specify the mechanisms and process by which the effectiveness of the management strategies and policies will be evaluated at least every two years,

23. The Plan shall provide for the regular evaluation of changes in the regional solid waste stream characteristics at least every five years .

24. For each of the evaluations and activities required by Sections **21**, **22** and **23**, the Plan shall provide for the preparation of a report and the submission of the reports to the Regional Waste Manager.

AMENDMENT PROCESS

25. The Plan shall specify the process by which the Plan can be amended in response to changing conditions or unfulfilled objectives and targets.

OPERATIONAL PLANS

26. The Plan shall identify

(1) existing sites currently operating under a permit pursuant to the Waste Management Act; and
(2) all proposed sites or facilities, including transfer stations,

for which the Regional Board will undertake to prepare an operational plan satisfactory to and

signed by the Regional Waste Manager, and, when approved, to attach to the Plan as a Schedule. The operational plans will contain operating, monitoring and other requirements for sites and facilities to ensure adequate protection of the receiving environment.

PLAN APPROVAL

27. The Plan shall include a copy of the Board resolution giving approval of the Plan or 3rd Reading of the Plan Bylaw, according to the status of the Plan document.